

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449A-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Use as many sheets as necessary)		Complete if Known	
		Application Number	10/578,822
		Filing Date	May 9, 2006
		First Named Inventor	Euan Christopher Smith
		Group Art Unit	2629
		Examiner Name	Pakee Fang
		Attorney Docket No: 1365.106US1	
Sheet 1 of 3			

FOREIGN PATENT DOCUMENTS

Examiner Initial *	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T 1
	EP-1457958A2	9/15/2004	Ando, M.	
	GB-2000230	11/5/2003	Smith, E. C., et al.	
	GB-2389951A	12/24/2003	Routley, P. R., et al.	Considered in IDS filed
	JP-10-260659A (w/ English Abstract)	9/29/1998	Nagai, M., et al.	07/02/2007
	JP-2002-055654A (w/ English Abstract)	2/20/2002	Kawashima, S.	
	JP-2002-072947A (w/ English Abstract)	3/12/2002	Oda, A., et al.	
	JP-2002-258805A (w/ English Abstract)	9/11/2002	Takahara, H., et al.	
	JP-2002-341842A (w/ English Abstract)	11/29/2002	Takahara, H., et al.	
	JP-2003-084732A (w/ English Abstract)	3/19/2003	Tsuge, H., et al.	
	JP-2003-108082A (w/ English Abstract)	4/11/2003	Kawaguchi, K.	
	JP-2003-186270A (w/ English Abstract)	7/3/2003	Tanaka, H., et al.	
	JP-2003-323145A (w/ English Abstract)	11/14/2003	Tsuge, H.	
	JP-2004-054234A (w/ English Abstract)	2/19/2004	Abe, S.	
	JP-2004-133138A (w/ English Abstract)	4/30/2004	Yamazaki, T., et al.	
	WO-94/27276A1	11/24/1994	Orlen, N. P.	
	WO-95/04986A1	2/16/1995	Saidi, A.	
	WO-03/094140	11/13/2003	Smith	

OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS

Examiner Initial *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 1
	"Application Serial No. 10/578,659, Non-Final Office Action mailed 11-12-09", 37 pgs.	
	"Application Serial No. 10/578,659, Notice of Allowance mailed 06-24-10", 9 pgs.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /R.S./

EXAMINER /Robert Stone/ DATE CONSIDERED 12/16/2010

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete If Known Application Number 10/578,822 Filing Date May 9, 2006 First Named Inventor Euan Christopher Smith Group Art Unit 2629 Examiner Name Pakkee Fang
Sheet 2 of 3 Attorney Docket No: 1365.106US1	

OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS

Examiner Initial *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 1
	"Application Serial No. 10/578,659, Response filed 3-12-10 to Non Final Office Action mailed 11-12-09", 18 pgs.	
	"Application Serial No. 10/578,659, Response filed 3-31-09 to Restriction Requirement mailed 2-3-09", 15 pgs.	
	"Application Serial No. 10/578,659, Response filed 9-16-09 to Restriction Requirement mailed 7-17-09", 14 pgs.	
	"Application Serial No. 10/578,659, Restriction Requirement mailed 2-3-09", 7 pgs.	
	"Application Serial No. 10/578,659, Restriction Requirement mailed 7-17-09", 6 pgs.	
	"Application Serial No. 10/578,786, Final Office Action mailed 10-07-09", 29 pgs.	
	"Application Serial No. 10/578,786, Non-Final Office Action mailed on 12-08-08", 58 pgs.	
	"Application Serial No. 10/578,786, Preliminary Amendment filed 05-09-06", 11 pgs	
	"Application Serial No. 10/578,786, Response filed 02-05-10 to Final Office Action mailed 10-07-09", 18 pgs	
	"Application Serial No. 10/578,786, Response filed 04-07-09 to Non-Final Office Action mailed 12-08-08", 27 pgs	
	"Application Serial No. 10/578,941, Final Office Action mailed 07-12-10", 19 pgs	
	"Application Serial No. 10/578,941, Final Office Action mailed 08-05-09", 18 pgs	
	"Application Serial No. 10/578,941, Non-Final Office Action mailed 01-21-10", 20 pgs.	
	"Application Serial No. 10/578,941, Non-Final Office Action mailed 12-23-08", 36 pgs.	
	"Application Serial No. 10/578,941, Preliminary Amendment filed 05-09-06", 9 pgs.	
	"Application Serial No. 10/578,941, Preliminary Amendment filed 03-23-07", 3 pgs.	
	"Application Serial No. 10/578,941, Response filed 04-21-09 to Non-Final Office Action mailed 12-23-08", 18 pgs	
	"Application Serial No. 10/578,941, Response filed 10-12-10 to Final Office Action mailed 07-12-10", 15 pgs.	
	"Application Serial No. 10/578,941, Response filed 10-27-09 to Final Office Action mailed 08-05-09", 11 pgs	
	"Application Serial No. 10/578,941, Response filed 4-22-10 to Non-Final Office Action mailed 1-21-10", 11 pgs.	
	"Application Serial No. 10/578,659 , Notice of Allowance mailed 06-24-10", 10 pgs	
	"Great Britain Application Serial No. GB0421712.1, Search Report dated 12-31-04", 1 pg.	
	"International Application Serial No PCT/GB2005/050169, International Search Report and Written Opinion mailed 02-07-06", 6 pgs.	
	"International Application Serial No. PCT/GB2005/050167, International Search Report mailed 01-31-06", 2 pgs.	
	"International Application Serial No. PCT/GB2005/050167, Written Opinion mailed 01-31-06", 7 pgs.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /R.S./

EXAMINER	/Robert Stone/	DATE CONSIDERED	12/16/2010
----------	----------------	-----------------	------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use as many sheets as necessary)</p>	<p><i>Complete if Known</i></p> <p>Application Number 10/578,822</p> <p>Filing Date May 9, 2006</p> <p>First Named Inventor Euan Christopher Smith</p> <p>Group Art Unit 2629</p> <p>Examiner Name Pakkee Fang</p>
Sheet 3 of 3	
Attorney Docket No: 1365.106US1	

OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS

Examiner Initial *	<p>Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.</p> <p>"International Application Serial No. PCT/GB2005/050219, International Search Report mailed 2-20-2008", 3 pgs.</p> <p>"International Application Serial No. PCT/GB2005/050219, Written Opinion 2-20-2008", 17 pgs.</p> <p>BERRY, M. W., et al., "Algorithms and Applications for Approximate Nonnegative Matrix Factorization", <i>Computational Statistics & Data Analysis</i>, 52, (2007), 155-173</p> <p>CHU, M., et al., "Optimality, Computation, and Interpretation of Nonnegative Matrix Factorizations", [online]. VERSION: October 18, 2004. [retrieved 2008-02-06]. Retrieved from the Internet: <URL: http://www.wfu.edu/~plemmons/papers/chu_ple.pdf>, 18 pgs.</p> <p>EISENBRAND, F., et al., "Algorithms for Longer OLED Lifetime", Proceedings, 6th Workshop on Experimental Algorithms (WEA 2007), <i>Lecture Notes in Computer Science</i>, Vol. 4525, (2007), 338-351</p> <p>GUILLAMET, D., et al., "Non-negative Matrix Factorization for Face Recognition", <i>Lecture Notes in Computer Science</i>, Vol. 2504/2002 - Topics in Artificial Intelligence: 5th Catalonian Conference on AI (CCIA 2002), (2002), 336-344</p> <p>ROUTLEY, P. R., et al., "DISPLAY DRIVER CIRCUITS", Great Britain Application Serial No. GB20020013989.7, filed June 18, 2002, 56 pgs.</p> <p>SMITH, E. C., "8.3: Total Matrix Addressing (TMA™)", <i>International Symposium Digest of Technical Papers (SID 2007)</i>, (2007), 93-96</p> <p>TROPP, J. A., "Literature Survey: Non-Negative Matrix Factorization", [online]. Preprint, University of Texas at Austin. [retrieved 2008-02-07]. Retrieved from the Internet: <URL: http://www.acm.caltech.edu/~jtropp/notes/Tro03-Literature-Survey.pdf>, (2003), 10 pgs.</p>	T 1
--------------------	---	-----

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /R.S./

EXAMINER	/Robert Stone/	DATE CONSIDERED	12/16/2010
----------	----------------	-----------------	------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant is to place a check mark here if English language Translation is attached